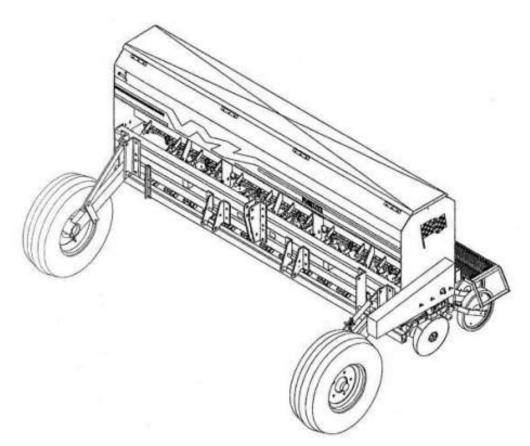


# **MARLISS** The Emerging Winner



Soybean & Grain Drill Installation and Parts Manual Our Tradition is Quality Driven and Field Proven

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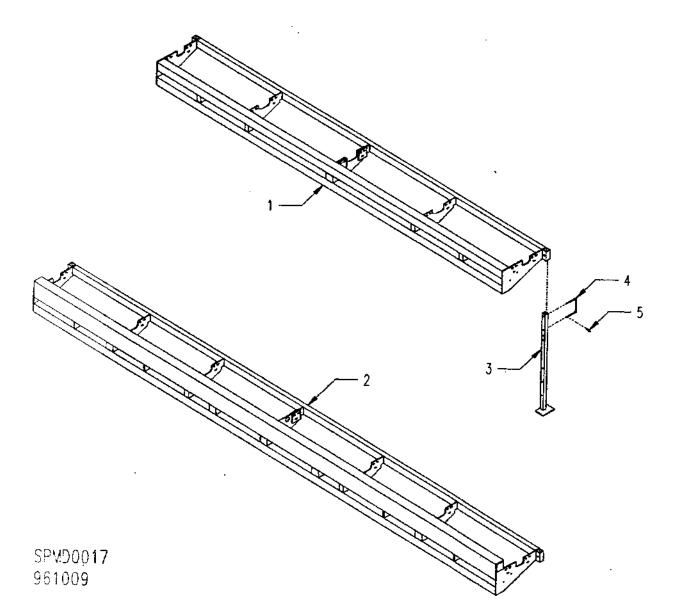
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# **DESCRIPTION**

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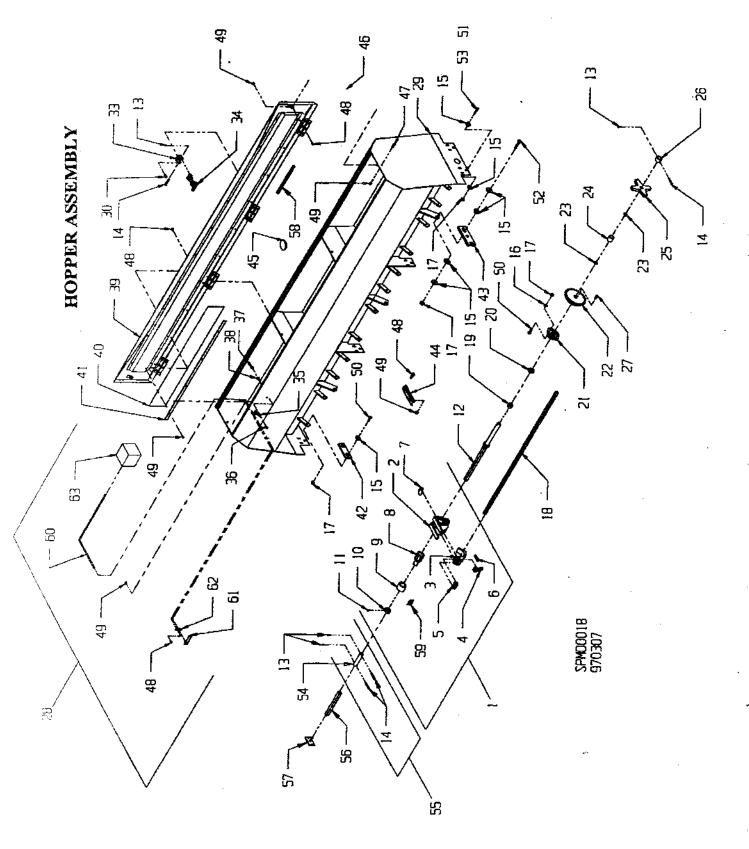
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# MAIN FRAMES



REF. #	PART#	QTY REQ'D	DESCRIPTION
1	520994	1	5' Main Frame - Not Shown
1	520037	1	7' Main Frame - Not Shown
1	520295	1	10' Main Frame - Not Shown
1	520755	1	12' Main Frame - Not Shown
1	520038	1	14' Main Frame - Shown
1	520290	1	15' Main Frame - Not Shown
2	520574	1	20' No-Till And Pull Type Main Frame - Shown
2	520040	1	27' Main Frame - Not Shown
3	521129	2	Parking Stand
4	126143	2	Hand Grip
5	604018	2	Small Hair Pin

	A DESCRIPTION OF THE OWNER OF THE	Anchor Brucket - Lid Latch 	# 10 A 1/4 Bout	# 10 Look Washer	Hower Lid 6' RH	Hopper Lid 6' LH	Hopper Lid 6 1/2" Hommer Lid 6 1/2" RH	Hopper Lid 6 1/2' LH	(HopperLid 7 1/2' RH HopperLid 7 1/2' 1/H	Hopper Lid 10'	Hopper Lid 10' RH	Carvas Brido 5'	Centry Strip 6'	Larvas Strip o 1/2 Carvas Strin 7 1/2'	Canvas Strip 10'	Carrya Clamp 5'	Canvas Clamp 6'	Carryas Clamp 7 1/2	Carras Clamp 10	Meter Kickout Shaft Lever	Meter Mount Brack at	2" Metal Plug # 4 Chain 14 1/2" Long	1/4" X 3/4" Bolt	1/4" X 1/2" Bolt 1/4" Fack Nut	3/8" X 1" Bolt	3/8" X 1 1/4" Bolt   3/8" X 1 1/2" Bolt (6 1/2", 7 1/2", 10")	3/8" X 1 3/4" Bolt (6 1/2' Hopper Only)	3/8' X 2" Bolt (7 1/2' Hopper Only) Drive Shaft Coupling (14' P.T. 20', 27', Drift)	Coupling Aasy (Items 13, 14,54) (14' P.T. 20'27 Drill)	Meter Drive Shaft (27'Center Hopper, 14' PTRHHopper) Meter Shaft Right Hand (22')	Meter Shaft Right Hand (14')	Meter Shaft Right Hand (15') Meter Shaft Store	Protective Trim	Calibration Sticker Indicator Rod	Pointer	Bearing Assembly indicator Float Block
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HOPPER ASSEMBLY	# 1844	322002	200009	602020	521155	521155	521156 521189	521189	521157 521157	521158	521190	624151	624152	624154	624155	124259	124260	124262	124263	120054	124001	1250068 624014	601015	601031 600008	601047	601025 601006	601024	601034 123016	522005	128009	128009	128020 522749	821014	220035 521180	521024	702064 323004
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	<b>OLE KINGON</b>	(*) Matter Automatiy (Rems 2-11) (*) Matter Haudian With Diastic Insact	Cleanout Arm	Cleanout Fingor Bushine	Spring	Wiper	reed Rould Roller Bushing		NY - ZU SEI STREW A. L/Z" LODE		Meter Drive Shaft (End Hopper 6 1/2') Meter Drive Shaft (7 1/2')		N N	3/8" Flat Washer	3/8" Lock Washer	3/8" Lock Nut	Moter Kickour Shaft (5') Meter Kickour Shaft (6')	Meter Kickout Shaft (6 1/2')	Meter Kicktour Shaft (7 1/2')	3/47 - 16 Nut	DDO Spacer	Flush Mounted Bearing 40- B 28 Sprocket	3/4" SAE Flat Warber	I "Spacer Meter Adjustment Knob	Stop - Collist Meter Shaft	L/4" Key Erropty / Full Indicator	5. Hopper	6 6' Hopper RH 6 6' Hopper LH	6 1/2' Hopper	6 1/2' Horper RH 6 1/2' Horeer LH	7 L/2' Hopper RH	7 1/2' Ropper LN	10' Hopper RH	10' 110pper LH   5/16" X 5/8" Bolt	5/16" Lock Washer	f %/16" Hex Nut Mounting Bracket Lid Latch T M T ach - Publier
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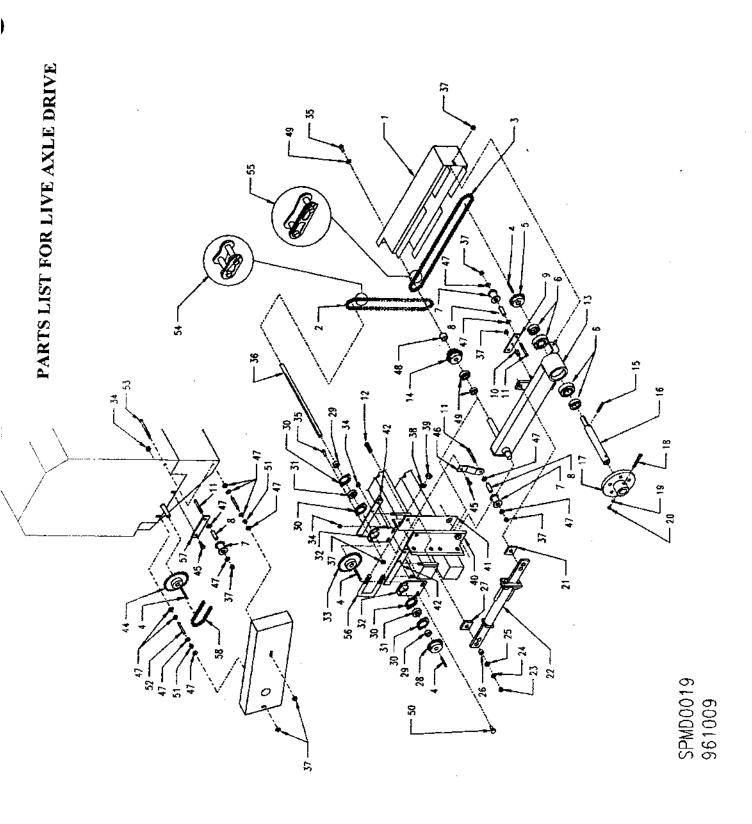
PARTS LIST FOR LIVE AXLE DRIVE

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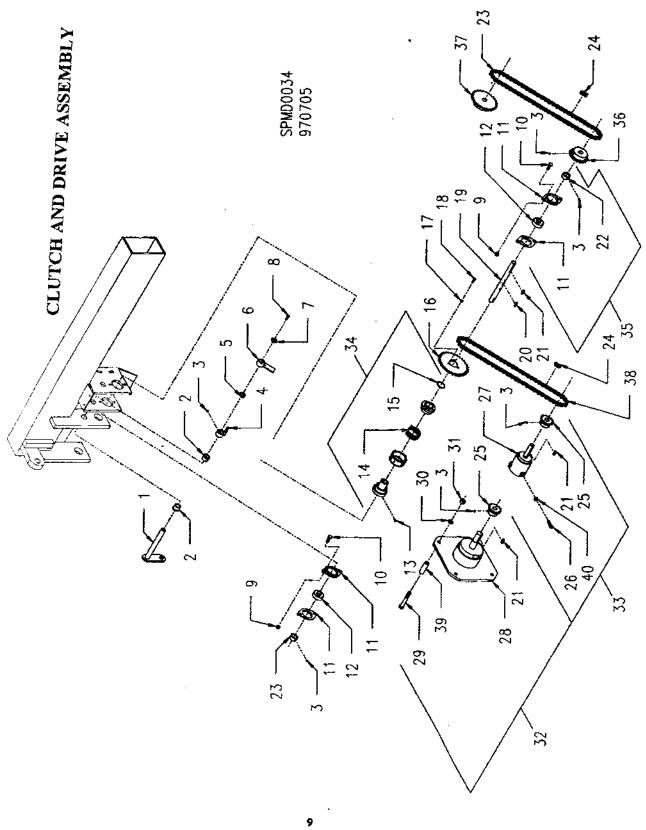
No. and a second se	at a second second	2.02* X 1* Port	Scrocket Shart (Plated)	3/8" Flance Lock Nut	3/4" Lock Washer	3/4" Hex Nut	Drive Arm Hitch RH (10.12.14, & 15' Conv.)	Drive Ann Hitch RH (27'Conv.) NS	Drive Arm Hitch RH(10,12,14,15,& 20° No-Till)	Drive Arm Hitch RH (30' 3-Section Drill) N/S	Drive Arm Hitch LH (10,12,14, & 15' Conv.)	Drive Arm Hitch LH (27'Conv.) N/S	Drive Arm Hitch I.H (10.12.14.15.& 20' No-Till)	Drive Arm Hitch LH (30' 3-Section Drill) N/S	Jack Shaft Bearing Hanger-(R.H. Reg. L.HN.T)	Jack Shaft Bearing Hanger-(L, H Res. R.HN.T.)	Upper Chain Guard Weldment	Sprocket - 28 Tooth, 3/4" ID	7/16" X 1 1/2" Bott	Idler Arm	3/8" Flat Washer	Needle Bearing - 1" ID	Bearing with Lock Coilar - 1" ID	7/16" X 1 1/4" Bolt	3/8" Hex Nut	3/8" X 3" Spacer	3/8" X 4 1/2" Bolt	# 40 Connecting Link	# 20 - 40 Connecting Link	U-Bolt 3/4" X 3 1/2" X 5" Long	U-Bolt 3/4" X 7" X 5 1/2" Long	Idler Ann-Hopper (Conventional)	Idler Arm - Hopper (No-Till)	Chain (# 20 - 40) As Required
10 A.		5 V.	. –	10	4	4	1	<b>p-4</b>	-	1			-	1	н	2	1		1		17			τ'n	3	7	11	1	-	7	17	-	1	
No. of the second s	600050	601047	126141	600043	602006	60004	521052	521053	521054	122065	521049	521050	521051	122066	122054	122053	520945	325002	601014	120246	602009	702063	702062	601033	60003	123625	680109	624003	624004	624010	604028	121458	120245	624150
	34	- -	36	37	38	66	40	4	\$	40	41	41	41	41	4	42	<b>6</b> 4	44	45	<b>4</b> 6	47	48	49	50	51	52	53	54	55	56	56	57	57	58
DISCRETION	Lower Chain Guard - L.H.	Lower Chain Ouard - R.H.	Chain (# 40 X 50" Long)	Chain (# 20 - 40 X 60" Long)	Keystock 1/4" SQ. X 2 5/8"	Sprocket 1" ID - 19 Tooth	Bearing With Lock Collar - 1 1/2" ID	Chain Roller	Bushing - 3/8" ID X 2"	Chain Roller Bracket	Bushing 7/16" D X 1"	3/8" X 3" Bolt	5/8" X 2 1/2" Bolt	Drive Arm Weldment (RH)	Sprocket Weldment	3/8" X 2" Roll Pin	Drive - Wheel Spindle	Drive - Wheel Hub	7/16" X 3" Bolt	7/16" Lock Nut	7/16" Hex Nut	1/4" Spacer	Floating Drive Arm	5/8" Hex Nut	5/8" Lock Washer	5/W Flat Washer	Bushing - 5/8" ID	1/2" Spacer	Sprocket - 19 Tooth, 3/4" ID	Fecentric Lock Collar	2 - Hole Flangette	Self - Aligning Bearing	Bearing Holder	Sprocket - 32 Tooth, 3/4" ID
<b>OTV</b>			ĩ	1	<b>m</b>	-	6	<b>F</b>	5	_		~	6	_	-	1	<b></b> 1			-	1	1		7	7	n	7			5	4		5	
SCHOOL ST	520947	521235	624140	624139	128911	325063	702061	400015	123626	121294	123623	601084	601069	520944	520948	604226	126137	520946	601029	602012	600007	120494	522421	600014	602015	602016	123068	120498	325001	702021	105018	702002	100151	325003
	1		7	m	4	~	\$	۲۰	ø	0	2	11	12	13	14	15	16	11	18	<u>6</u>	20	21	5	23	24	2.5	26	27	28	53	<u>ළ</u> :	31	6	33

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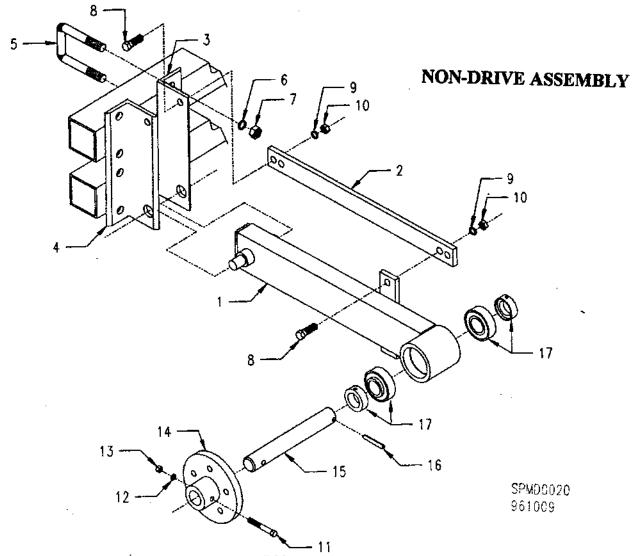


# CLUTCH AND DRIVE ASSEMBLY

REF#	PART#	QTY	DESCRIPTION
1	520068	1	Clutch Engaging Shaft
2	125006	2	Oiliate Bushing
3	601096	A/R	1/4" - 20 Set Screw 1/4" Long
4	520073	1	Clutch Finger Stop
	720006	1	Torsion Spring L.H.
5 5 6	720005	1	Torsion Spring R/H.
6	520070	1	Clutch Finger
7	120129	1	Retainer Clutch Finger
8	601112	1	1/4" X 3/4" Flat Head Screw
9	600012	4	3/8" Lock Nut
10	601047	4	3/8" X 1" Bolt
ii ii	105018	4	2 - Hole Flangette
12	702002	2	Self Aligning Bearing
13	601097	ī	1/4" - 20 Set Screw, 1/2" Long
14	720008	i	Drive Spring L.H.
14	720009	1 î	Drive Spring R.H.
15	624031	i	Retaining Ring
16	325006	i	40 - A 32 Sprocket
17	602002	3	1/4" Lock Washer
18	601067	3	1/4" X 5/8" Bolt
19	126013		Ciutch Shaft
20	128013		3/16" Key
20	128013		1/4" Sq. Key
21		2 2	Bearing Lock Collar
23	702021 624036		# 20 - 40 Chain 57 Links
		1	# 20 - 40 Connector Links
24	624004	2 2 2	# 20 - 40 Offset Link
24	624006		
25	325005		40 - B 13 Sprocket
26	601134	3	3/8" X 1 1/4" SQ. Head Set Screw
27	520009	1	Drive Hub (5 Bolt, 82 Model) (PT-5', 7', 10', 12', 14'; PTNT-7')
27	520133	1	Drive Hub (8 Bolt, 82 Model) (15' PINT, 20' PINT)
28	520074	1	Drive Plate (82' Model) (PT-15' & 20'; PTNT-10', 14' Not Shown)
28	520316	1	Drive Hub (83 Model)(PT-5', 7', 10', 12', 14', 15', 20'; PTNT-5', 7', 10', 12', 14')
28	521280	1	Drive Plate, (97Model) (All PT & PINT)
29	601111	4	1/2" X 5" Carriage Bolt (6 Bolt Hub, 82 Model)
29	601140	4	1/2" X 3 1/4" Carriage Bolt
30	601041	4	1/2" X 1 1/4" Bolt (5 - Bolt, 83 Model)
31	602007	4	1/2" Lock Washer
32	600006	4	1/2" Lock Nut
32	522066	A/R	Drive Plate Assembly (6 Bolt Hub, 82 Model) (Items 3, 24, 8, 31-34)
33	522379	A/R	Drive Hub Assembly (5 Bolt 83 Model) (Items 3, 24, 28, 31-34)
33	522380	A/R	Drive Hub Assembly (6 Bolt 83 Model) (Items 3, 24, 28, 31-34, 42)
33	522001	A/R	Drive Hub Assembly (5 Bolt 82 Model) (Items 3, 24, 28-30, 42)
34	522084	A/R	Drive Hub Assembly (8 Bolt 82 Model) (Items 3, 24, 28-30, 42)
34	522056	A/R	Clutch Assembly L.H.(Shown) (Items 13-18)
35	522055	A/R	Clutch Assembly R.H. (Not Shown) (Items 13-18)
36	502109	A/R	Self - Aligning Bearing Assembly
37	325001	1	40 - B 19 Sprocket
38	325002	1	40 - B 28 Sprocket
39	624026	1	# 20 - 40 Drive Chain 61 Links
40	123195	4	2" Spacer
*	600003	3	3/8" Hex Nut
•	325003	1	40-B 32 Sprocket
•	325016	]	40-B 48 Sprocket
	502145	A/R	Bearing & Lock Collar Assembly (Items 3, 12, 25)



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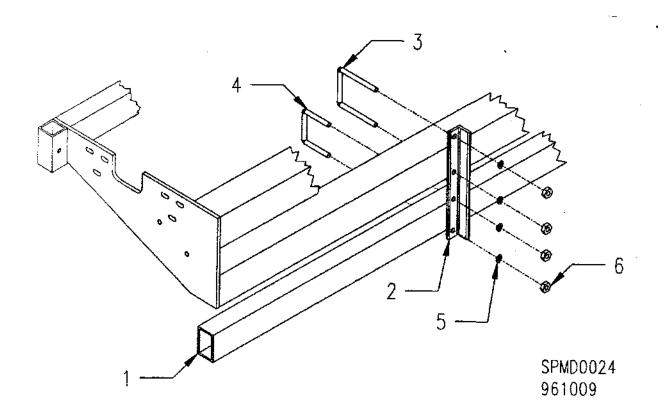


REF#-	PART#	QTY	DESCRIPTION
1	520993	1	Non-Drive Arm
2	120019	1	Non-Drive Wheel Strap
3	521049	1	Drive Arm Hitch L.H. (10', 12', 14', & 15' Conv. Drills)
3	122057	1	Drive Arm Hitch L.H. (10', 12', 14', 15', & 20' Conv. Drills) Not Shown
3	521050	1	Drive Arm Hitch L.H. (27' Conv. Drills) - Not Shown
3	521051	1	Drive Arm Hitch L.H. (10', 12', 14', 15', & 20' No-Till) -Not Shown
3	122065	1	Drive Arm Hitch L.H. (30' 3-Section Drill) - Not Shown
4	521052	1	Drive Arm Hitch R.H. (10', 12', 14', 15' Conv. Drills)
4	521053	1 1	Drive Arm Hitch R.H. (27' Conv. Drills) Not Shown
4	521054	1	Drive Arm Hitch R.H. (10', 12', 14', 15', & 20' No-Till) Not Shown
4	122066	1	Drive Arm Hitch R.H. (30' 3-Section Drill) - Not Shown
5	624010	4	3/4" X 3 1/2" U-Bolt, 5" Long
5	604028	2	3/4" X 7" U-Bolt, 5 1/2" Long - Not Shown
6	602006	8	3/4" Lock Washer
7	600004	8	3/4" Hex Nut
8	601108	2	5/8" X 1 3/4" Bolt
9	602015	2	5/8" Lock Washer
10	600016	2	5/8" Lock Nut
11	601029	1	7/16" X 3" Bolt
12	602012	1	7/16" Lock Washer
13	600007	1	7/16" Hex Nut
14	520946	1	Drive Wheel Hub
15	126138	1	Wheel Spindle
16	604226	1	3/8" X 2" Roll Pin
17	702061	2	Bearing With Lock Collar

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UNIT RAILS



REF.#	PART #	QTY	DESCRIPTION
1	123780	1	Unit Rail - 5' Grain Drill
1	123028	1&2	Unit Rail - 7' And 14' Grain Drill
1	123029	1&2	Unit Rail - 10' And 20' Grain Drill
1	123467	1	Unit Rail - 12' Grain Drill
1	123155	2	Unit Rail - 15' Grain Drill
1	123159	1	Unit Rail - 20' Grain Drill On 40 F. H.
1	123030	2	Unit Rail - 27' Grain Drill
2	122005	6,8,12,16	Rail Hanger (10') (14' & 15') (20') (27')
3	624009	A/R	7/16" X 3 1/2" U-Bolt, 4 1/2" Long
4	624008	A/R	7/16" X 3" U-Bolt, 3" Long
5	202012	A/R	7/16" Lock Washer
6	600011	A/R	7/16" Lock Nut

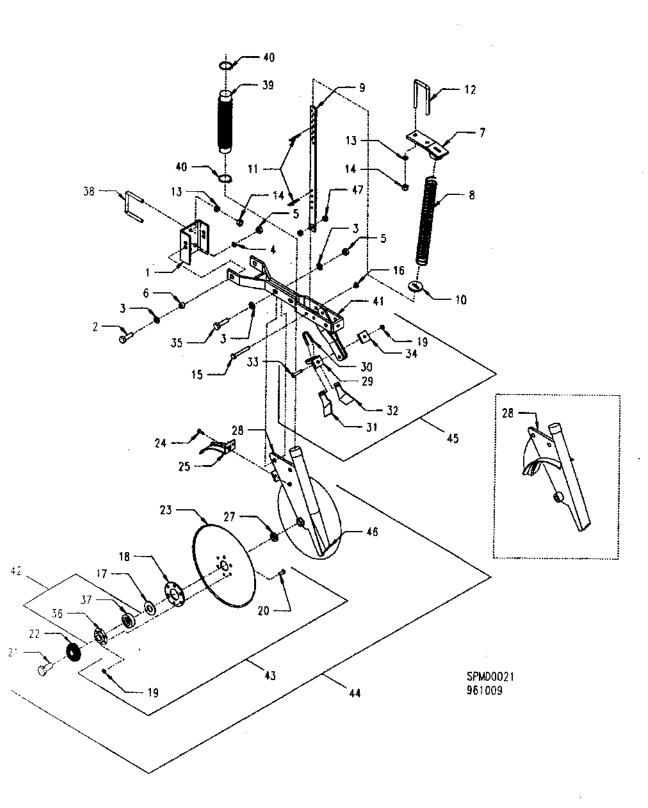
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#### **OPENER ASSEMBLY**

99.1				UPENEK ASSEMBLY
	ef #	PART #	QTY	
	1	120233		Unit Hitch
	2	601009	2	1/2" X 1 1/2" Bolt
	2	601011	2	1/2" X 1 3/4" Bolt (No-Till Hitch)
	3	602008	6	1/2" Flat Washer
	4	602007	2	1/2" Lock Washer
	5	600006	4	1/2" Lock Nut
ł	6 -7	103002 521230	2	Med. Swivel Spacer
1	7	521230		Spring Bracket 11((Long opencr) Spring Bracket 22((Short opener)
T	8	720021		Down Pressure Spring 549-85
	8	720022	1	Down Pressure Spring - 80 lb
t	9	521137	1	Down Pressure Spring Rod
T	10	120029	1	Spring Sest
	n	604057	2	Large Hair Pin
	12	624012	ĩ	7/16" X 2" U-Beit, 4 1/4" Long
ł	13	602012	4	7/16" Lock Washer
ł	14	600011	. 4	7/16" Lock Nut
1	15	601163	1	1/2" X 4" Bolt
	16	600006	i	1/2" Lock Nut
I	17	602019	2	Machine Bushing 2 1/8" O.D.
F	18	105009	2	Bearing Plate
	19	600009	13	5/16" Lock Nut
	20	601019	12	5/16" X 3/4" Bolt
	21	601054	2	3/4" X 1 3/4" Bolt
	22	124023	2	Dust Shield
•	23	701010	2	13" Disc Blade
	24	601015	2	1/4" X 3/4" Bolt
	25	520384	1	Blade Guard
	26	600008	2	1/4" Lock Nut
	27	305002	2	Bearing Spacer
	28	5211 <del>6</del> 6	1	213 Offset Min. Till Left Hand Opener Body
	28	521175	1	213 Offset Min. Till Right Hand Opener Body
Ł	28	520001	1	Opener Body - Standard
	28	520346	1	Opener Body - Supplemental R.H. (40' Folding Transport System Only)
	28	520347	1	Opener Body - Supplemental L.H (40' Folding Transport System Only)
	29	322004	1	Mounting Bracket Inside Scraper
ſ	30	720010	1	Spring - Inside Scraper
ł	31	120272	1	Scraper Blade - L.H.
t	32	120271	1	Seraper Blade - R.H.
	33	601125	1	5/16" X 2 1/4" Carriage Bolt
	34	120420	1	Bolt Plate 1 1/2" SQ. X 1/4"
	35	601013	2	1/2" X 2" Bolt
	36	105019	2	Bearing Housing
t	37	702020	2	Bearing
E	38	624008	1	7/16" X 3" U-Bolt 3" Long
ſ	39	801013	1	Rubber Seed Tube
	40	604013	2	Seed Tube Clamp
ſ	41	520034	1	Unit Frame Long
1	41	520033	1	Unit Frame Short
1	42 43	522210 522045	2 2	Bearing Assembly, (Item 36 & 37)
	43	522045	2	Disc. Blade Assembly (Items 17-20 & 23,42)
	44 44	522025 522435	1	Disc. Opener Assembly, (items 17 - 28 & 42)
	44		1	Disc. Opener Assembly Supplemental R.H. (Items 17-28,42)
	44 45	522436 522168	1	Disc Opener Assembly Supplemental L.H. (Items 17-28,42) Inside Scraper Assembly (Item 19 & 20 -34 Includes Bolts)
	46	123006	1	Metal Seed Tube
	47	103004	2	Bashing
	*	522009	2	D/P Spring Assembly w/ Hardware (Items 7-16) Long 401b
1	•	522009	1	D/P Spring Assembly w/ Hardware (items 7-16) Long 401b D/P Spring Assembly w/ Hardware (items 7-16) Short 401b.
	•	522150	1	D/P Spring Assembly w/ Hardware (items 7-16) Short 401b.
1	•	522150	1	D/P Spring Assembly w/Hardware (Items 7-16) from 801b.
			•	with the second of the second
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## **OPENER ASSEMBLY**

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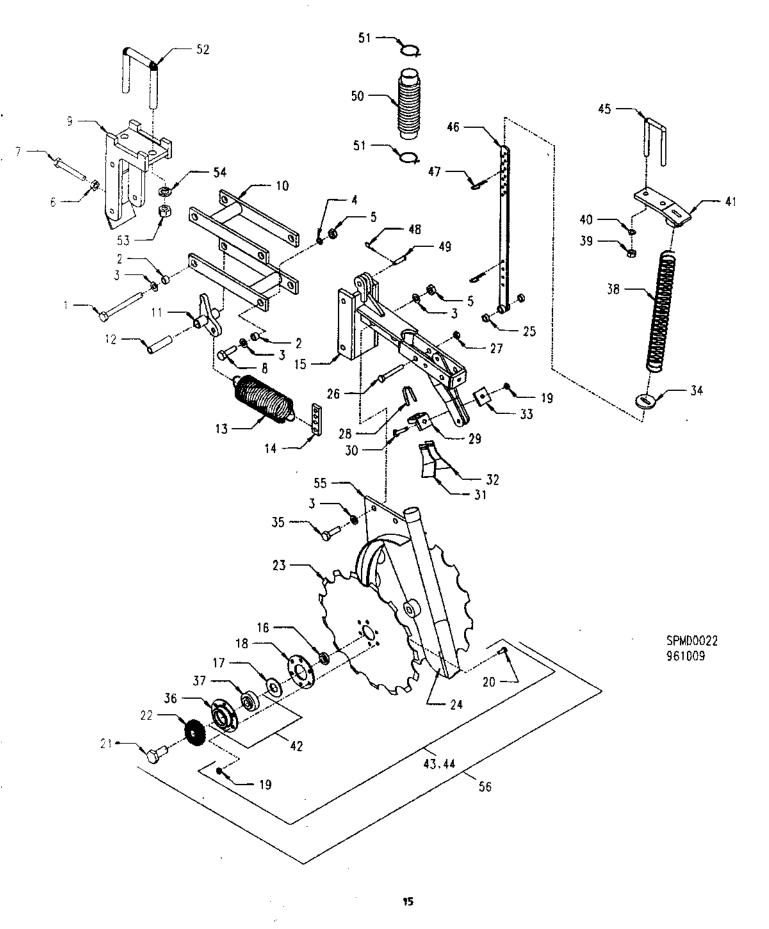
**15" NOTCHED OFFSET OPENER** 

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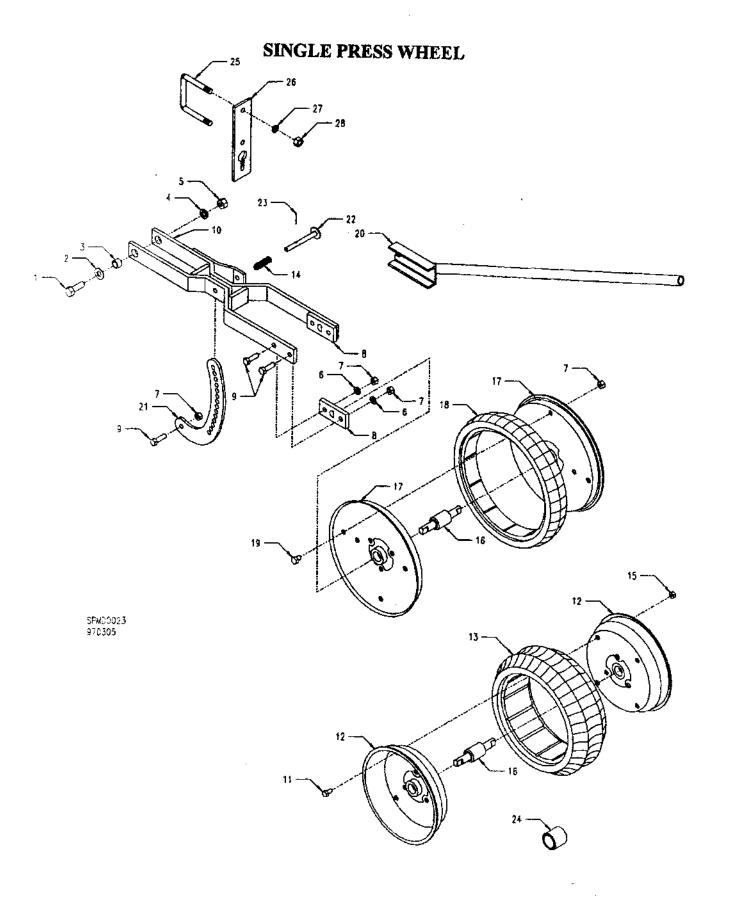
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## SINGLE PRESS WHEELS

MER H	PART#	QTY	DESCRIPTION
and the second	601163	1	1/2" X 4" Bolt
1 2	602008	2	1/2" Flat Washer
3	103002	2	Bushing
4	602007	1	1/2" Lock Washer
5	600006	1	1/2" Lock Washa
6	602005	4	3/8" Lock Washer
7	600012	5	3/8" Lock Nut
-8	120036	2	Press Wheel Retainer
9	601025	5	3/8" X 1 1/4" Bolt
10	521136	1	4 X 12 Wheel Frame
10	521135	1	2 X 13 Wheel Frame
10	521133 521134	1	4 X 16 Wheel Frame
10	521154	1	2 X 13 & 1 X 12 Single Arm Press Wheel Frame
10	601012	7	5/16" X 5/8" Bolt
12	300003	2	4 X 12 Wheel Half 4 X 16 Wheel Half
12	300005	2 1	
13	801009 801000		4 X 12 Tire (Double Rib)
13	801020	1	4 X 16 Tire (Double Rib)
13	801004	1	4 X 12 Tire (Smooth Crown)
13	801001	1	4 X 16 Tire (Smooth Crown)
13	801018	1	4 X 12 (Center Rib)
14	700021	1	Press Wheel Adjustment Spring
15	600009	7	5/16" Lock Nut
16	702017	1	Bearing
17	300006	2	2 X 13 Wheel Half
18	<b>8</b> 01010	1	2 X 13 Tire (Smooth)
18	801015	1	2 X 13 Tire (Center Rib)
18	801043	1	1 X 12 Tire (Smooth)
19	601113	7	3/8" X 1/2" Bolt
20	521133	1	Press Wheel Adjustment Handle
21	124255	1	Press Wheel Adjustment Strap
22	521132	1	Adjustment Pin
23	604251	1	5/32" X 1" Cotter Pin
24	325017	1	Bushing For 4 X 16 Press Wheel Bearing
25	624008	1	7/16* X 3* X 3 1/4* U-Bolt
26	121329	1	Chain Bracket
27	602012	2	7/16" Lock Washer
28 *	600011	2	7/16" Lock Net
*	522714	1	2 X 13 Frame Attach. Hdw And Strap Assy
	522728	1	4 X 12 Frame, Attach Hdw And Strap Assy
	522729	1	4 X 16 Frame, Attach, Hdw And Strap Assy Bearing And Bushing Assy (4 X 16 Press Wheel) (Items 16 & 24)
	522256	1	
	522750 522019	1	Press Wheel Adjustment Strap Assy (Items 7, 9, 22 - 25)
	522019 522069	1	2 X 13 Wheel Half, Tire & Bearing Assembly - Smooth 2 X 13 Wheel Half, Tire & Bearing Assembly - Center Rib
*	522069 522003	1 1	4 X 12 Wheel Half, Tire & Bearing Assembly - Center Rib
	522003 522067	_	4 X 12 Wheel Half, Tire & Bearing Assembly - Double Rib
	522067 522068	1 1	4 X 12 Wheel Half, Tire & Bearing Assembly - Center Rib
	522068	1	4 X 12 wheel Half, Tire & Bearing Assembly - Smooth 4 X 16 Wheel Half, Tire & Bearing Assembly - Double Rib
	522252	1	4 X 16 Wheel Half, Tire & Bearing Assembly - Double Rib
	522428	1	1 X 12 Wheel Half, Tire & Bearing Assembly - Single Arm
	522694 522695	1	1 X 12 Wheel Half, Tire & Bearing Assembly - Single Arm
L	522695	<u>↓</u>	I A 12 WINCI Ban, THE & DEATING ASSERIOLY - DOUDLE AFM

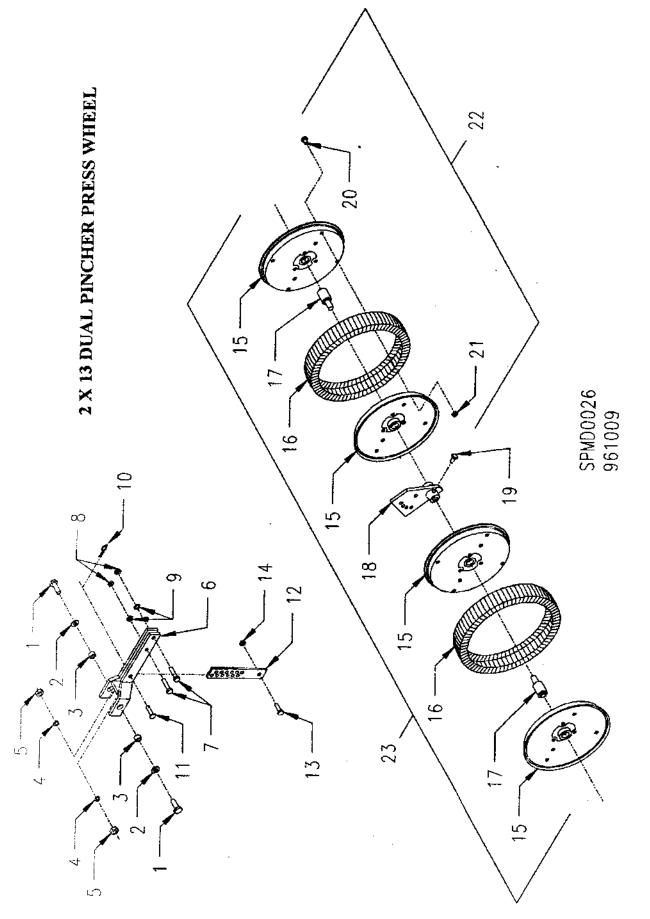


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# 2 X 13 DUAL PINCHER WHEEL & FRAME ASSEMBLY

REF.	PART #	QTY	DESCRIPTION
·· <b>1</b>	601009	2	1/2" X 1 1/2" Bolt
2	602008	2	1/2" Flat Washer
3	103002	2	Bushing
4	602007	2	1/2" Lock Washer
5	600006	2	1/2" Lock Nut
6	520025	1	Dual Pincher Wheel Frame
7	601024	2 2 2	3/8" X 1 3/4" Bolt
8	600012	2	3/8" Lock Nut
9	602005		3/8" Lock Washer
10	604018	1	Small Hair Pin
11	604058	1	3/8" X 1 1/2" Headed Pin
12	120210	1	Press Wheel Adjustment Strap
13	601025	1	3/8" X 1 1/4" Bolt
14	600012	1	3/8" Lock Nut
15	300006	4	2 X 13 Wheel Half
16	801010	2 2	2 X 13 Tire (Smooth)
16	801015	2	2 X 13 Tire (Center Rib)
17	702019	2	Bearing
18	520258	1	2 X 13 Dual Pincher Wheel Bracket
19	601093	2	3/8" X 3/4" SQ. Head Bolt
20	601113	14	3/8" X 1/2" Bolt
21	600012	14	3/8" Lock Nut
22	522029	2	2 X 13 Smooth Pincher Wheel Assembly
22	522128	2	2 X 13 Center Rib Pincher Wheel Assembly (Not Shown)
23	522030	1	2 X 13 Smooth Dual Wheel Pincher Assembly
23	522129	1	2 X 13 Center Rib Dual Pincher Wheel Assembly
•	522031	1	2 X 13 Smooth Dual Pincher Wheel and Frame Assembly
•	522130	1	2 X 13 Center Rib Dual Pincher Wheel and Frame Assembly
*	522122	1	2 X 13 Smooth Dual Pincher Wheel, Frame, Attachment Hdw and Strap (Items 1-21)
*	522123	1	2 X 13 Center Rib Dual Pincher Wheel, Frame, Attachment Hdw and Strap (Items 1-21)
. *	522094	1	Press Wheel Adjustment Strap Assembly



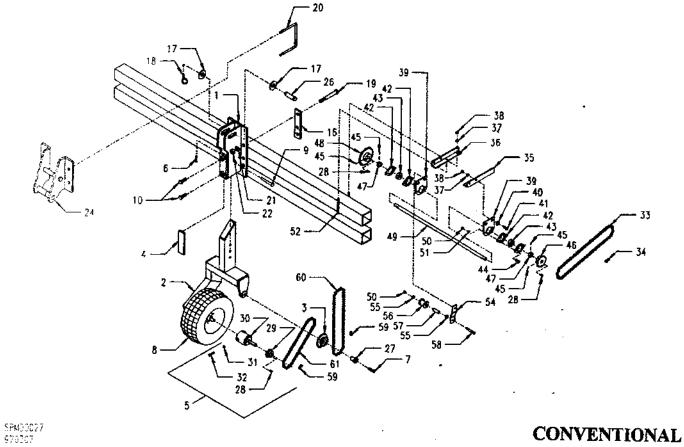
#### 5'& 7' 3 PT DRIVE WHEEL

REF.#	PART	οτγ	DESCRIPTION
1	520729	1	Center Mast 7' 3 PT
2	522627	1	Drive Wheel Arm & Hub Assembly 7'3 PT
3	522516	1	Idler Bearing Assembly
4	120621	1 1	Piste 1/2" X 2" X 7"
5	522001	1 1	Hub Assembly
6	604018	1	Small Hair Pin 1/2" X 2" Flathead Set Screw
7	601164 522517		Wheel & Time 20.5E X 8, 6 PLY
ŝ	624125		Clevis Pin, 1/2" X 4 1/4" U.L.
10	601106	2	5/6" X 1 3/4" Bolt
11	520428	ī	Center Mast, 7' NT
12	522515	1	Drive Wheel Am & Hub Assy. 7' NT
13	520425	1	Mounting Arm 7' NT Drive Wheel
14	522421	1	Floating Drive Wheel Arm Assembly - See Page 20
15	122085	t	Drive Angle, 7 NT
16	121037	2	Clamp Piete, 7' 3 PT
17	602039	2	1" Flat Washer
18	004043	1	7/16" Lynch Pin
19	601032	6	3/4" X 6" Bolt
-20	624010	4	U-Belt 3/4" X 3 1/2", 5" Long
21	602006	14	3/4" Lock Wesher
22	600004	14	, 3/4" Hex Nut U-Boit 3/4" X 7", 5 1/2" Long
23	604028 522074	7	Lower Arm Assembly 7 3 PT Conventional
24 25	522514	1	Lower Arm Assembly 7 3 PT Conversional
26	804040	1	Hitch Pin, 4"
27	126064	1	Idler Bearing Race
28	128001	1	1/4" Sq. Key X 13/16" Long
29	325005	1	13 Tooth Sprocket
30	520009	1	Drive Hub for 5 - Bott Hub
31	600003	1	3/8" Hex Nut
32	601134	1	3/8" X 1 1/4" Sq. Head Set Screw
33	624150	A/R	# 20 - 40 Chain
34	624004	AR	# 20 - 40 Connector Link
34	624006	A/R	# 20 - 40 Offset Link
35	122053	1	Jackshaft Bearing Hanger - L.H.
36	122054	1	Jackshaft Bearing Hanger - R.H. 7/16" Lock Washer
37 38	602012 600011	8 4	7/16" Nylon Lock Nut
39	120289	2	Bearing Holder
- 39 - 40	602010	4	7/16" Flat Washer
41	601033	4	7/16" X 1 1/4" Bolt
42	105018	4	2 - Hole Flangette
43	702002	2	Self - Aligning Bearing
44	601047	i <b>4</b>	3/8" X 1" Bolt
45	601096	3	1/4" - 20.X 1/4" Set Screw
46	325001	1	40-B 19 Tooth Sprocket
47	702021	2	Eccentric Lock Collar
48	325003	1	40-B 32 Tooth Sprocket
49	126008	1	Jackshaft - 7 Drill (35")
49	126172	1	Jackshaft - 5 Drill (28 1/2")
50	600012	4	3/8" Lock Nut
51 52	602005 624009	4 2	3/6" Lock Washer 7/16" X 3 1/2" U-Bolt 4 1/2" Long
53 53	624028	2	7/16 X 3 1/2 0-box 4 1/2 cong
53 54	120248	1	ider Am
55	802009	2	3/8" Flat Washer
56	400015	1	Chain Roser
57	123626	1	Bushing - 3/8" ID X 2"
58	601084	1	3/8" X 3" Bolt
59	624003	A/R	# 40 Connecting Link
59	624066	A/R	# 40 Offset Link
60	624149	A/R	# 40 Chain
61	624158	1	# 40 Chain - 57 Links
62	624159	1	# 40 Chain - 71 Links
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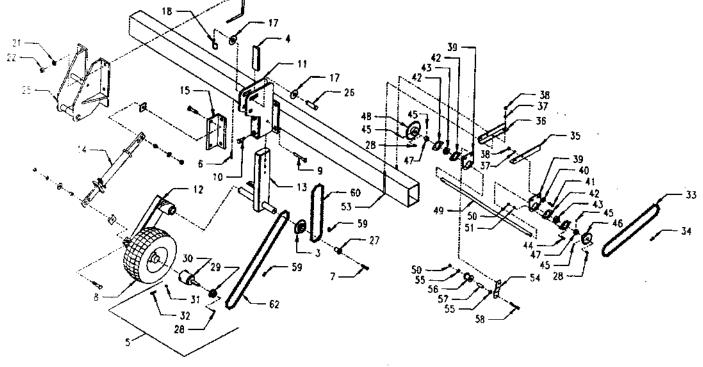
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## 5' & 7' 3 PT DRIVE WHEEL



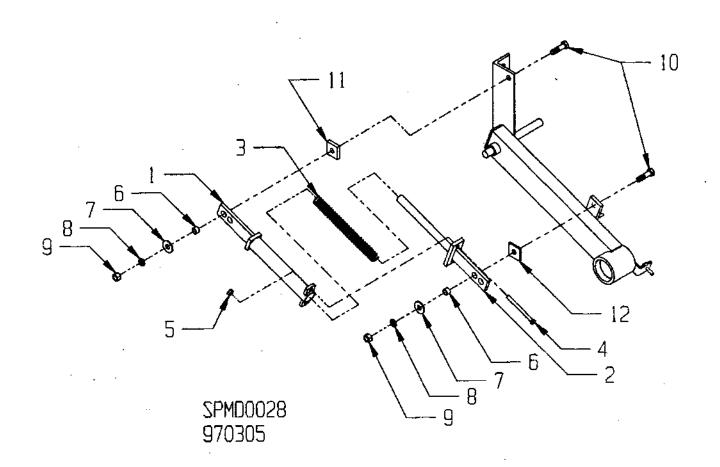
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**NO-TILL** 

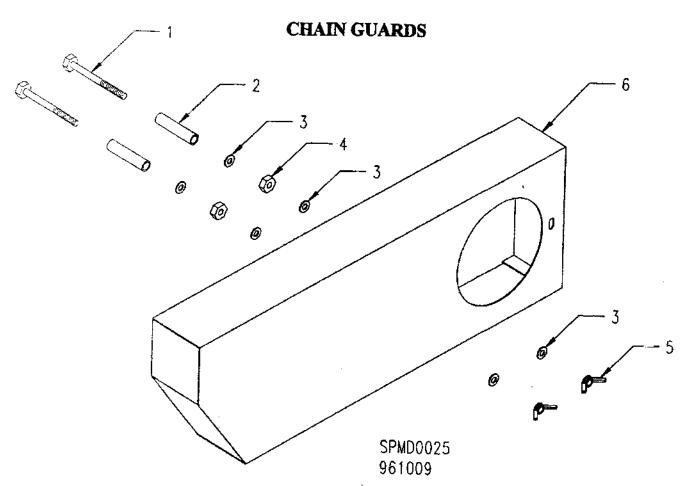


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# FLOATING DRIVE ARM ASSEMBLY



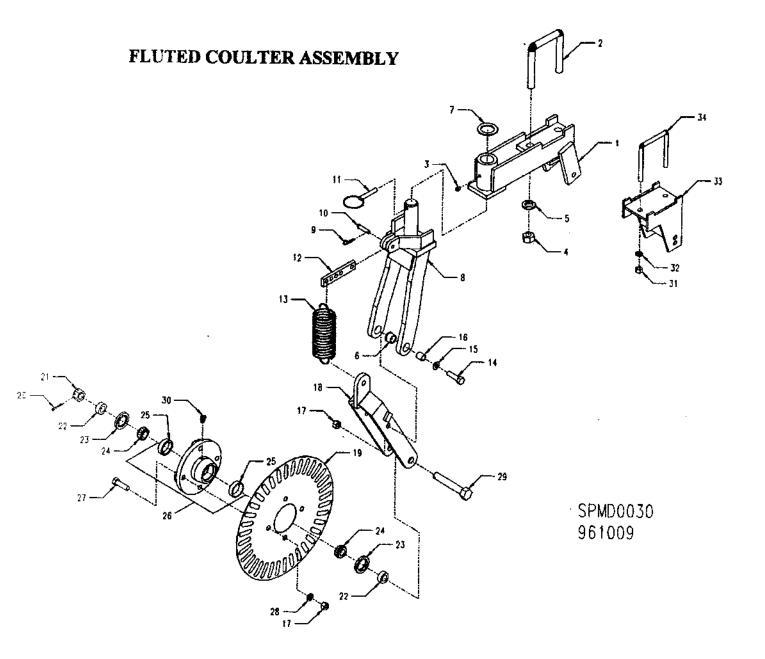
REF.#	PART#	QTY.	DESCRIPTION
1	520343	1	Spring Cover FDA
2	520342	1	Spring Rod FDA
3	720007	1	80 lb. Pressure Spring
4	601141	2	7/16" X 5" Bolt
5	600011	2	7/16" Lock Nut
6	123068	2	Bushing
7	602016	2	5/8" Flat Washer
8	602015	2	5/8' Lock Washer
9	600014	2	5/8" Hex Nut
10	601056	2	5/8" X 2 1/4" Bolt
11	120498	1	Spacer 1/2"
12	120494	1	Spacer 1/4"
*	522420	1	Floating Drive Arm Assembly (Items 1-5)
*	522421	1	Floating Drive Arm Assembly w/ Hdw (Items 1-12)



REF.#	PART#	QTY	DESCRIPTION
1	601121	A/R	3/8" X 5" Bolt
2	123152	A/R	4" Spacer
3	602009	A/R	3/8" Flat Washer
4	600003	A/R	3/8" Hex Nut
5	600027	A/R	3/8" Wing Nut
6	521169	1	Chain Guard - 3 Point Conv, Shown (Except 5' & 7')
6	521221	1	Chain Guard - 3 Point No - Till
6	52122 <b>2</b>	1	Chain Guard - Pull Type Conv
6	521223	1	Chain Guard - Pull Type No - Till
6	521220	1	Chain Guard PTNT w/ Fertilizer & Grass Seeder
6	521167	1	Chain Guard R.H. 3 - Point Conv. Drill w/ Grass Seeder
6	521211	1	Chain Guard L.H. 3 - Point Conv. w/ Grass Seeder excent 5' & 7'
6	521224	. 1	Chain Guard 3 - Point Conv. w/ Native Grass Seeder
6	521168	1	Chain Guard Pull Type Conv w/ Grass Seeder
6	124345	1	Chain Guard 5' - 3 Point Conv, w/ Native Grass Seeder & G S
6	124343	1	Chain Guard 5' - 3 Point No Till w/ Native Grass Seeder & G.S.
6	521225	1	Chain Guard Pull Type Conv. w/ Native Grass Seeder
6	520879	1	Chain Guard HWT w/ Fertilizer
6	520880	1	Chain Guard HWT w/ Fertilizer And Grass Seeder
6	124306	1	Chain Guard Gear Driven Fertilizer
6	521226	1	Chain Guard HYD. Driven Fertilizer

# FLUTED COULTER ASSEMBLY

REF.#	PARTA	QTY	DESCRIPTION
1	520194	1	Hitch (Long) Shown
1	520193	1	Hitch (Short) Not Shown
2	624010	1	3/4" X 3 1/2" U-Bolt, 5" Long
3	609009	1	Grease Fitting
4	<b>600</b> 004 <sup>*</sup>	2	3/4" Hex Nut
5	602006	2	3/4" Lock Washer
6	125007	2	Oilite Bushing
7	602031	1	Machine Bushing 2 1/4" O.D.
8	520192	1	Coulter Folk
9	604018	1	Small Hair Pin
10	604058	1	3/8" X 1 1/2" Headed Pin
11	604043	1	7/16" Lynch Pin
12	120285	1	Adjustment Strap
13	700013	1	Coulter Spring - 3/8" Dia Wire
14	601011	2	1/2" X 1 3/4" Boit
15	602008	2	1/2" Flat Washer
16	103003	2	Swivel Bushing
17	600006	6	1/2" Lock Nut
18	520195	1	Coulter Yoke
19	701011	1	15" X 1 3/8" Fluted Coulter Blade
19	701012	1	15" X 3/4" Fluted Coulter Blade
19	701013	1	15" Ripple Coulter Blade
20	604124	1	5/32" X 1 1/2" Cotter Pin
21	600020	1	3/4" - 16 Castle Nut
22	103070	2	Bearing Spacer
23	703006	2	Grease Seal
24	702014	2	Taper Roller Bearing
25	702013	2	Bearing Race
26	522042	1	Coulter Hub And Race Assembly
27	601041	4	1/2" X 1 1/4" Bolt
28	602007	4	1/2" Lock Washer
29	105012	1	Spindle
30	609008	1	Grease Fitting
31	600011	2	7/16" Lock Nut
32	602012	2	7/16" Lock Washer
33	520124	1	Unit Hitch - No Coulter
34	624009	1	7/16" X 3 1/2" U-Bolt, 4 1/2" Long
	1250078	1	Hitch Assembly - No Coulter (Items 31-34)
	522051	1	Coulter Hub Assembly Complete (Items 23-26 & 30)
	522263	1	Coulter Fork And Yoke Assembly (Items 6-18)
	1250085	1	FCA 1 3/8" (Items 6-30)
	1250086	1	FCA 3/4" (Items 6-30)
	1250087	1	FCA Ripple (Items 6-30)
	1250144	1	DFCA 1 3/8" Long (Items 1-30)
*	1250145	1	DFCA 1 3/8" Short (Items 1-30)
	1250142	1	DFCA 3/4" Long (Items 1-30)
	1250143	1	DFCA 3/4" Short (Items 1-30)
	1250140	1	DFCA Ripple Long (Items 1-30)
*	1250141	1	DFCA Ripple Short (Items 1- 30)

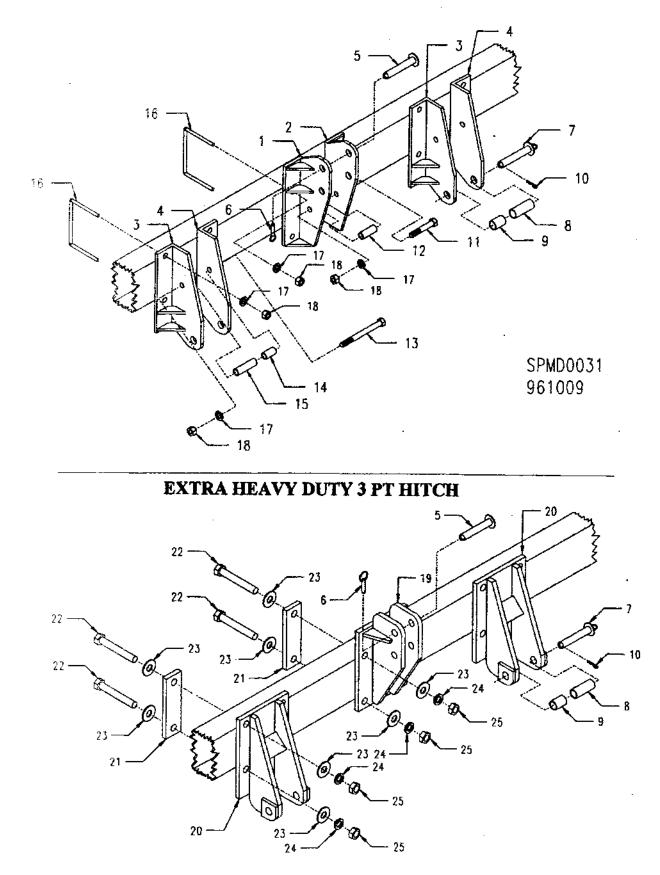


# HEAVY DUTY 3 PT HITCH ASS'Y

REF.#	PART#	QTY	DESCRIPTION
1	520154	1	Center Mast R.H.
2	520155	1	Center Mast L.H.
3 4	520156	2 2	Lower Arm R.H.
4	520157	2	Lower Arm L.H.
5	604040	1	Upper Link Pin
6	604043	1	7/16" Lynch Pin
7	604039	2 2	Hitch Pin CAT. #2
8	103028	2	CAT. # 3 Bushing (3" Long)
9	103026	2	CAT. # 3 Bushing (2" Long)
10	604057	2	Large Hair Pin
11	601077	1	3/4" X 4 1/2" Bolt (7' N.T.)
11	601107	1	3/4" X 5" Bolt (10', 12', 14', 15', 20')
12	103072	1 2 3	Master Spacer, 2 3/4" Long (10',12', 14', 15', 20')
13	601065	2	3/4" X 8" Bolt
14	103046		Spacer 2" Long
15	103047	2	Spacer 3 1/8" Long
16	604028	6	3/4" X 7" U-Bolt 5 1/2" Long
17	602006	15	3/4" Lock Washer
18	600004	15	3/4" Hex Nut
19	520411	1	Center Mast - Extra Heavy Duty Hitch
20	520410	2	Lower Arm - Extra Heavy Duty Hitch
21	120584	6	Boit Plate - Extra Heavy Duty Hitch
22	601132	12	1" X 7" Hex Head Bolt
23	602039	24	1" Flat Washer
24	602028	12	1" Lock washer
25	600028	12	1" Hex Nut
•	522082	2	Lower Arm Assembly Complete
*	522075	1	Center Mast Assembly Complete For 14' & 20 Drills

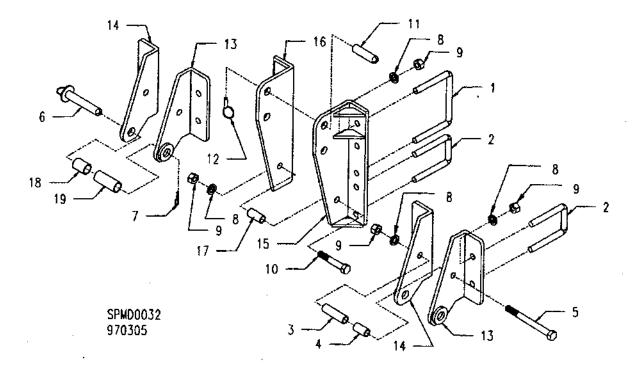
## **HEAVY DUTY 3 PT HITCH**

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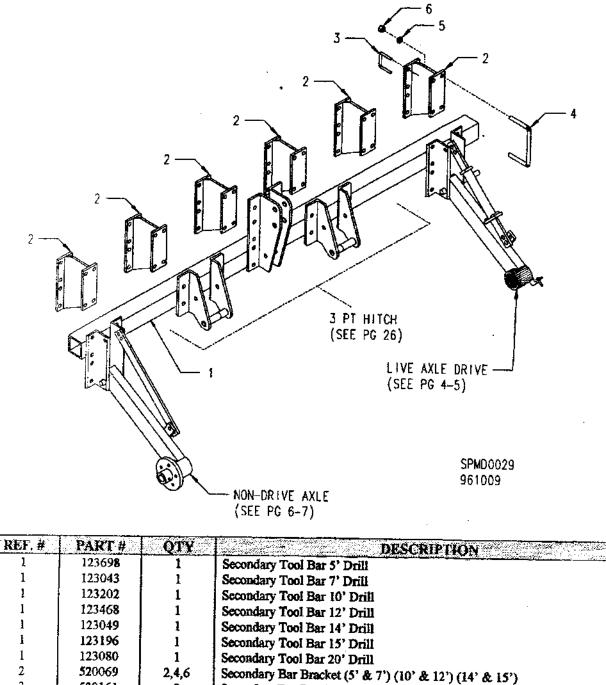
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## STANDARD 3 PT HITCH ASSEMBLY 10'-12'-14'-15'-20'-27'



REF. 4	PART#	QTY	DESCRIPTION
1	604028	2	3/4" X 7" U-Bolt, 5 1/2" Long (27' Drill Only)
2	624010	6	3/4" X 3 1/2" U-Bolt, 5" Long (27' Drill Only)
2	624010	8	3/4" X 3 1/2" U-Bolt, 5" Long (10';12', 14';15';20' Drill)
3	103047	2	Spacer 3 1/8" Long
4	103046	2	Spacer 2" Long
5	601065	2	3/4" X 8" Bolt
6	604039	2	Hitch Pin CAT. #2
7	604057	2	Large Hair Pin
8	602006	19	3/4" Lock Washer
9	600004	19	3/4" Hex Nut
10	601077	1	3/4" X 4 1/2" Bolt
11	604040	1	Upper Link Pin
12	604043	1	7/16" Lynch Pin
13	520910	2	Hitch Lower Arm (Left Hand)
14	520911	2	Hitch Lower Arm (Right Hand)
15	520912	1	Center Mast (Left Hand)
16	520913	1	Center Mast (Right Hand)
17	103027	1	Master Spacer, 2 1/4" Long
18	103026	2	CAT. # 3 Bushing (2" Long)
19	103028	2	CAT. # 3 Bushing (3" Long)
*	522074	2	Lower Arm Assembly (Items 3-9, 13 & 14, 18 & 19)
*	522076	1	Center Mast Assembly (10', 14', 15', 20', 27' Drills)
*	522077	1	Center Mast Assembly - (27' Drills)
*	522086	1	3 PT. Hitch Assembly Complete - (27' Drills)
•	522015	1	3 PT. Hitch Assembly Complete - (10', 14', 15', 20', Drills)
		1	

NO-TILL SECONDARY BAR ASSEMBLY FOR 3 PT MACHINES

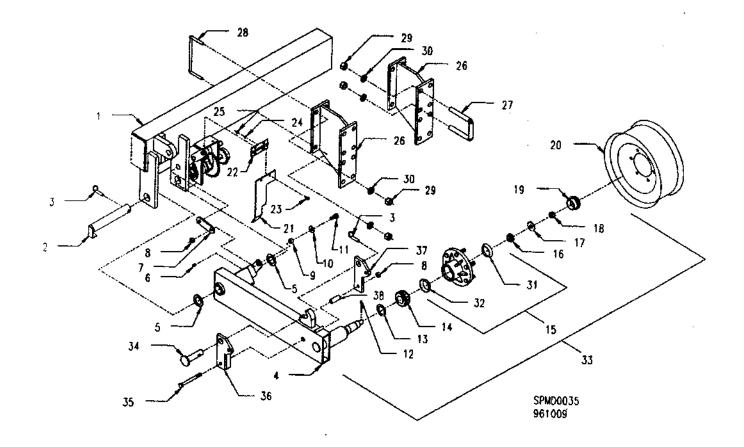


1	123098	1 1	Secondary Tool Bar 5' Drill
1	123043	1	Secondary Tool Bar 7' Drill
1	123202	1	Secondary Tool Bar 10' Drill
1	123468	1	Secondary Tool Bar 12' Drill
1	123049	1	Secondary Tool Bar 14' Drill
1	123196	1	Secondary Tool Bar 15' Drill
1	123080	1	Secondary Tool Bar 20' Drill
2	520069	2,4,6	Secondary Bar Bracket (5' & 7') (10' & 12') (14' & 15')
2	520161	8	Secondary Bar Bracket 20' Drill
3	624010	A/R	3/4" X 3 1/2" U-Bolt, 5" Long
4	604028	A/R	3/4" X 7"U-Bolt, 5 1/2" Long
5	602006	A/R	3/4" Lock Washer
6	600004	A/R	3/4" Hex Nut
*	520171	2,4,5,6	Secondary Bar Bracket R.H. Narrow Row (5' & 7') (10' & 12') (14') (15')
*	520172	2,4,5,6	Secondary Bar Bracket L.H. Narrow Row (5' & 7') (10' & 12') (14') (15')
*	520188	6	Secondary Bar Bracket R.H. Narrow Row 20'
*	520189	6	Secondary Bar Bracket L.H. Narrow Row 20'
	* *	1       123043         1       123202         1       123468         1       123049         1       123049         1       123049         1       123080         2       520069         2       520161         3       624010         4       604028         5       602006         6       600004         *       520171         *       520172         *       520188	1       123043       1         1       123202       1         1       123468       1         1       123468       1         1       123049       1         1       123049       1         1       123080       1         2       520069       2,4,6         2       520161       8         3       624010       A/R         4       604028       A/R         5       602006       A/R         6       600004       A/R         *       520171       2,4,5,6         *       520172       2,4,5,6         *       520188       6

END WHEEL ASSEMBLY, PT & PTNT (ALL)

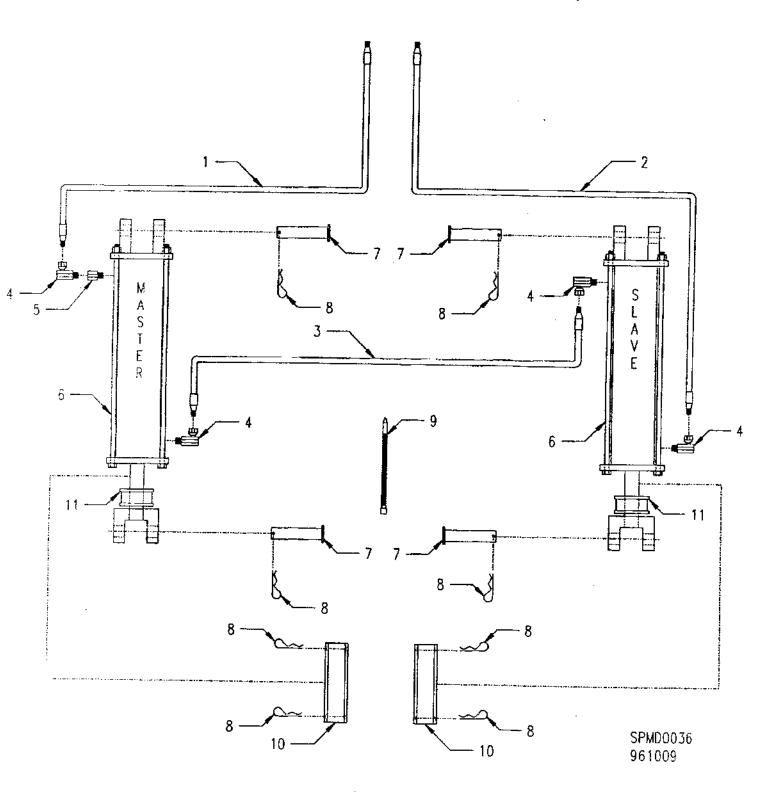
	81 2 Hub Assv. (B-Both) (15 & 201 PTNT)	~		kr   z   oro over mir voadnar (5 č. ř.) 13   2   34" SAF Fiel Washer (All Oliver)	10		1 [1]	0	~	2	2	2	• •			ž	AR AR	24.8	8	¥	Å	AR	AR	2	R 2 Inner Date (2 6 7)	1 (1	2 Inver Race (15 & 20' PTNT)	2	2	2	AR Top Link Pin	Ř	¥	¥	× ×	+
		16 702014	17 802010	17 602013	18 600022	18 60000	19 302007	19 302014	-	20 30004		20008	27 1 174020	┢			25 60001			27 624010		_	30 602006	31 702013	ſ	32 702027		33 522043		33 522064	34 604040	35 601064	+	38 520286	37 1 520425 37 5207387	1
5. 201	1																N.		2																ĺ.	
		1000 Ber For / 7001 Ber For 101 PTNT	Tool Bar For 12	Tool Bar For 14	Tool Bar For 15	Tool Bar For 20	5 & J	i Phot Pin (10, 12, 14, 15, 20)	7/10' Lynch Pin (5', 7', 10', 12', 14')			End Wriged Arm L.H. (5. # 7. PT & PTNT) Ford Wriged Arm D.H. Arm 12. A.M. DTNT)		1 26	End Wheet Am R.H. (15 & 20 PTNT)	End Wheel Arm L.H. (15' & 20' PTNT)	Mechine Buehing 2 1/2" OD	Greese Fixing	Clutch Link (5, 10, 12, 14)		1/2" Look Nut (5, 10, 12, 14)	1/2. Lock Nut (15. 5. 20)	Bushing (5, 7, 10, 12, 14)	Aukaning (15 & 201)   1/2" Flat Waasher (5", 7" 10" 12" 14")	1/2" Flat Washer (15" & 201)				Cotter Pin 3/16" X 1 3/4" - (Al Others)	Greese Seal 1 568" (D - (5 & 7)	Grease Seal 1 3/4" ID-(10,12,14 PTNT15&20PT)	Grease Seal 2 1/4" ID - (15 & 20" PTNT)		inner Bearing (10, 74, 14 PINI, 15 & 20 PT) Finner Bearing (16 - 2 20 DTMT)		
			-	<b>4</b>	-	**	~		• •	* •	ŀ		• •	-	-	-	4	2	-	2	*	»	N 7	* ~	4	n	4	20	N (	~	N	N	4	4 6	• ~	~
2011年夏夏夏日 1991年夏夏夏夏日 1991年夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏夏	52128	520296	520759	520149	520294	520147	220077	220072	504043		Survey 1	220108	520281	520282	520284	520283	602031	600009	120125	120125	800008	00000	103002	602008	602008	601041	601041	601012	604118	703002	£00£07	70304	610201	20201	522024	522049
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# END WHEEL ASSEMBLY, PT & PTNT



## PULL TYPE HYDRAULIC ASSEMBLY

• REF, #	PART#	DESCRIPTION	5	7.	10'	12'	14	15'	20'
1	502224	1/2" X 14' Hydraulic Hose	1	1	1	1	1	1	
1	502225	1/2" X 15' Hydraulic Hose		1	1	1	1		
1	502227	1/2" X 19' Hydraulic Hose		ļ	1				
1	502228	1/2" X 20' Hydraulic Hose	1		1	1	1	1	
1	502229	1/2" X 21' Hydraulic Hose		1	i i		1		
1	502230	1/2" X 22' Hydraulic Hose		-			-	1	
1	502232	1/2" X 24' Hydraulic Hose			1	1			1
2	502225	1/2" X 15' Hydraulic Hose	1	]		1			
2	502148	1/2" X 16' Hydraulic Hose		1	{	1	l		
2	502228	1/2" X 20' Hydraulic Hose	1		1		<u> </u>		
2	502229	1/2" X 21' Hydraulic Hose		i		1			
2 2	502230	1/2" X 22' Hydraulic Hose					1 1		] [
2	502231	1/2" X 23' Hydraulic Hose	[		1			1	
2	502233	1/2" X 25' Hydraulic Hose		1	1				1
3	502190	1/2" X 9' Hydraulic Hose	1						~
3	502191	1/2" X 11' Hydraulic Hose	[	1					
3	502234	1/2" X 13' Hydraulic Hose		_	1		ļ		
3	502225	1/2" X 15' Hydraulic Hose	1			1			
3	502148	1/2" X 16' Hydraulic Hose					1		
3	502199	1/2" X 18' Hydraulic Hose						1	
3	502231	1/2" X 23' Hydraulic Hose							1
4	604084	1/2" Swivel L	4	4	4	4	4	4	4
5	604111	Restrictor 1/2" X 3 / 32"	1	1	1			.	•
5	604112	Restrictor 1/2" X 7 / 64"	_	_		1	1	1	1
6	502200	2 1/2" X 8" Rephasing Cyl.	1	1		-			
6	502201	2 3/4" X 8" Rephasing Cyl.	1	ī	1	1		[	
6	502202	3" X 8" Rephasing Cyl.			ĩ	ī	1	1	
6	502203	3 1/4" X 8" Rephasing Cyl.					1	1	1
6	502204	3 L/2" X 8" Rephasing Cyl.					-		il
7	604067	Cylinder Pin	4	4	4	4	4	4	â
8	604057	Large Hair Pin	8	8	8	8	8	8	8
9	820007	Hose Strap	4	4	4	4	4	4	4
10	123064	Cylinder Lock	2	2	2	2	2	2	2
11	604170	Cylinder Stops 1 1/4" Wide	2	2	2	2	2	2	2



# **TONGUE AND HITCH ASSEMBLY PT & PTNT**

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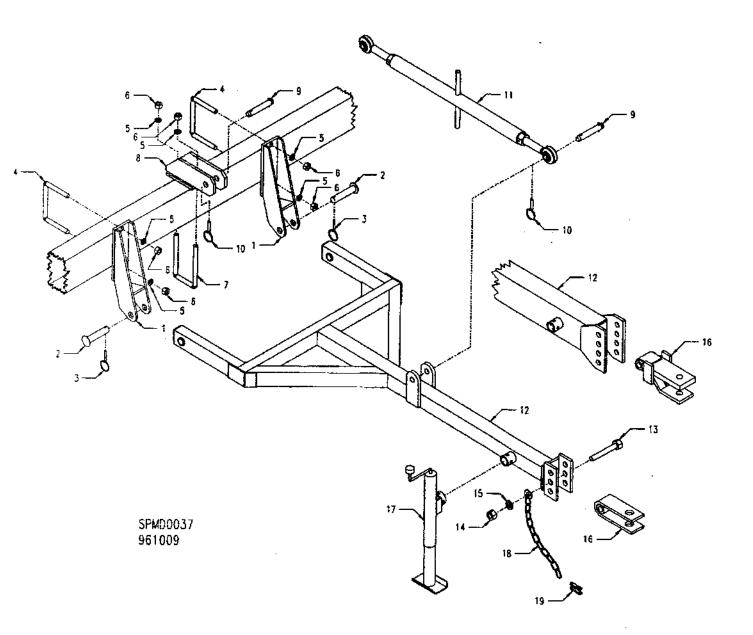
<b>REF.</b> #	PART #	-QTY	DESCRIPTION
1	520151	2	Lower Arm (5' & 7')
2	521227	2	Hitch Pin 1 1/8" X 4 3/4" U.L.
3	604256	2	1/4" Lynch Pin
4	604028	2	3/4" X 7" U-Boh, 5 1/2" Long
5	602006	6	3/4" Lock Washer
6	600004	6	3/4" Hex Nut
7	604029	1	3/4" X 4 1/8" U-Bolt, 8 1/2" Long
8	520152	1	Center Mast
9	<b>604</b> 040	2	Upper Link Pin
10	604043	2	7/16" Lynch Pin
11	522555	1	Turn Buckle
12	520420	1	5' & 7' Tongue
12	520421	1	STD. Tongue (All 10', 12', 14' PT)
12	520353	1	Heavy Duty Tongue (10',12',14',15',20' NT)
13	601098	1	1" X 6" Bolt (5', 7', & Standard)
13	601132	1	1" X 7" Bolt (HD)
14	600028	1	1" Hex Nut
15	602028	1	1" Lock Washer
16	521161	1	Extended Tractor Hitch (5' & 7')
16	520224	1	HD Tractor Hitch
16	520417	1	Standard Tractor Hitch
17	522471	1	Tongue Jack
18	521232	1	Safety Chain
19	604257	1	Clevis
*	522108	1	Safety Chain Assembly
	522705	1	3PT Hitch Assembly Items 1 - 10 (5' & 7')

# TONGUE ASSEMBLY

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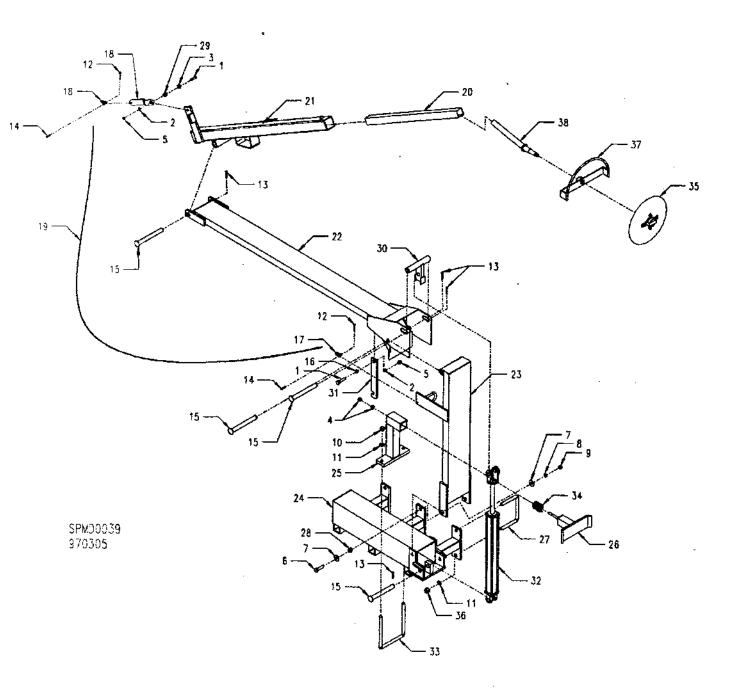
PARTS LIST FOR FLAT FOLD MARKER ASSEMBLY

REAL TANKA (OTY) BENCHBERTON	22 1 Dust Cover 2"	-	-				=	-	67	2	2	m	-	24 1 3" X 8" Cylinder	6	0	35 4 Flat Washer 3/4"	50 1 Cotter Pins 1/8" X 2"	2 7		04 3 3/4" Hex Nut	<del>رم</del>	2	14 1 3/8" Street L 90°	+	4	2	2	7	23 2 Fiat Fold Marker Stand (4" X 7" Bar)			-	58 1 1 11/16" X 3/4" Cotter Pin
	302022	121537	502115	502161	502160	502161	502116	502111	502143	502141	502164	604091	502185	502124	604115	602013	602035	604060	604057	604067	60004	600034	604034	604114	604111	60005	604028	604227	520920	521023	124348	600020	103076	604258
	*	25	56	52	26	23	27	27	87	58	28	53	30	31	32	33	3	33	36	37	3	39	\$	4	4	\$	4	4	<b>5</b>	\$	\$	4	\$	49
	Flat Fold Mounting Bracket RH (4" X 7")	Flat Fold Mounting Bracket LH (4" X 7")	Flat Fold Mounting Bracket RH (3 1/2" SQ.)	Flat Fold Mounting Bracket LH (3 1/2" SQ.)	Flat Fold Marker Cylinder Pin	Flat Fold Marker Parallel Arm	Cylinder Tube Lug Weldment	Top Slide Bushing	3/4" X 7" Bolt	12' Flat Fold Marker Arm LH	12' Flat Fold Marker Arm RH	15' Flat Fold Marker Arm LH	15' Flat Fold Marker Arm RH	20° Flat Fold Marker Ann RH	20° Flat Fold Marker Arm LH				20' Marker Arm Extension Arm Weldment	Disc Marker Extension Arm (12',15')	Disc Marker Extension Arm (20')	Marker Blade Guard	13" Blade Assembly	3/4" Hex Nut	3/4" Lock Washer	1/2" Lock Nut	Dust Shield	Machine Bushing	Scal	Bearing Cup	Bearing	Elub	14" Disc Blade	1/2" X 1 3/4" Bolt
0.12	-				1	en -	-	-	m	1	-	-	1		-	4	-	-			-		<b>1</b>	•	9	4		۲	-	~	2	-		4
	520974	520975	520967	520969	126915	121276	520921	123613	601032	520931	520932	520924	520925	520922	520923	601063	520933	520928	520927	520926	521214	521261	522734	600004	602006	600006	124376	602063	703016	702068	702067	502235	701032	601011
			e-4		6	~~~~	4	Ś	ø	~	~	~	~	~	~	~	•	•	•	2	2	Π	12	13	14	5	15	5	<b>8</b>	61	20	21	53	23

## PARTS LIST FOR 30' TRI - FOLD MARKER

REF. #	PART #	QTY	DESCRIPTION
1	601009	4	1/2" X 1 1/2" Bolt
2	602007	4	1/2" Lock Washer
3	602008	2	1/2" Flat Washer
4	600005	4	1/2" Hex Nut
5	600006	4	1/2" Lock Nut
6	601069	4	5/8" X 2 1/2" Bolt
7	602016	8	5/8" Flat Washer
8	602015	4	5/8" Lock Washer
9	600014	4	5/8" Hex Nut
10	600021	4	3/4" Lock Nut
11	602006	16	3/4" Lock Washer
12	604022	4	Cotter Pin 1/8" X 1"
13	624089	6	Cotter Pin 1/4" X 2 1/2"
14	604231	4	Coupling Pin For Cable
15	520999	8	Coupling Pin (Upper Arm To Middle Arm)
16	123696	2	Spacer For Latch
17	624144	4	Cable Connector
18	120954	2	Cable Arm
19	624143	2	Cable (74 1/2" Long)
20	521055	2	Extension Arm Weldment
21	521001	1	Upper Arm, Left
21	521008	1	Upper Arm, Right
22	521003	1	Middle Arm, Left
22	521005	I	Middle Arm, Right
23	521006	1	Lower Arm, Left
23	521000	1	Lower Arm, Right
24	521047	1	Mounting Bracket, Left
24	521119	1	Mounting Bracket, Left (7" Tool Bar)
24	521048	1	Mounting Bracket, Right
24	521120	1	Mounting Bracket, Right (7" Tool Bar)
25	520996	2	Mounting Bracket For Stop
26	520995	2	Adjustment Bracket For Stop
27	604028	6	U-Bolt 3/4" X 7", 5 1/2" Long
28	123695	4	Spacer For Lower Arm
29	120957	2	Spacer For Cable Arm
30	521002	2	Cylinder Mounting Bracket
31	120971	2	Safety Latch (Folded Position)
32	502197	2	2 X 20 Cylinder
33	604230	2	3/4" X 7 3/4" U-Bolt, 9 3/4" Long
34	700018	2	Spring For Stop
35	522734	1	Blade & Bearing Assembly
36	600004	12	3/4" Hex Nut
37	521261	1	Marker Blade Guard
38	521214	ĩ	Disk Marker Extension Arm

# **30' TRI-FOLD MARKER**



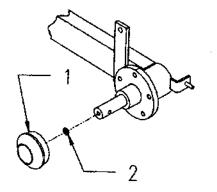
#### **ACRE METERS**

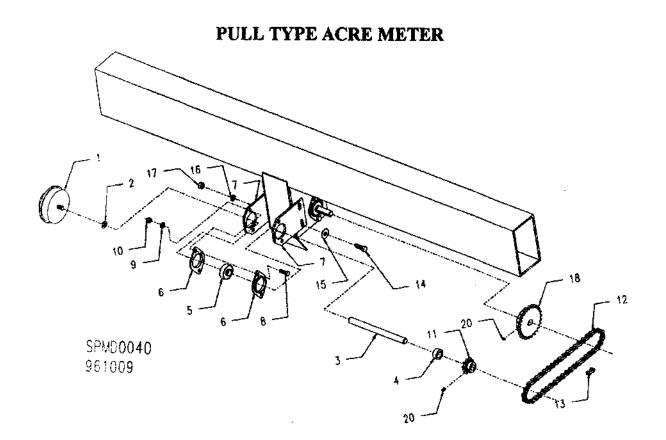
REF. #	PART #	QTY	DESCRIPTION
1	325012	1	Acre Meter 7' 3PT
1	325025	1	Acre Meter 7' PT
1	325020	1	Acre Meter 10'
1	325056	1	Acre Meter 12'
1	325013	1	Acre Meter 14'
	325021	1	Acre Meter 15'
-	325014	1	Acre Meter 20'
1	325015	1	Acre Meter 27'
1	325022	1	Acre Meter 30'
2	602007	1	1/2" Lock Washer
3	126047	1	Jack Shaft
4	702021	2	Lock Collar
5	702002	2	Self Aligning Bearing
6	105018	4	2 Hole Flangette
7	100151	2	Bearing Holder
8	601047	4	3/8" X 1" Bolt
9	602005	4	3/8" Lock Washer
10	600012	4	3/8" Lock Nut
11	325023	1	#40 B - 10 Tooth Sprocket
12	<b>62</b> 4060	1	#40 Chain 1 - 47 Links
13	624003	L	#40 Connecting Links
14	601033	4	7/16" X 1 1/4" Bolt
15	602010	4	7/16" Flat Washer
16	602012	4	7/16" Lock Washer
17	600011	4	7/16" Lock Nut
18	325024	1	#40B - 25 Tooth Sprocket
19	601096	1	1/4" - 20 X 1/4" Set Screw
*	1250051	1	Acre Meter Assembly 7' 3PT.
*	1250053	1	Acre Meter Assembly 10' 3PT.
*	1250292	1	Acre Meter Assembly 12' 3PT
*	1250055	1	Acre Meter Assembly 14' 3PT.
*	1250057	1	Acre Meter Assembly 15' 3PT.
*	1250059	1	Acre Meter Assembly 20' 3PT.
*	1250061	1	Acre Meter Assembly 27' 3PT.
•	1250052	1	Acre Meter Assembly 7' PT
•	1250054	1	Acre Meter Assembly 10' PT
	1250348	1	Acre Meter Assembly 12' PT
*	1250056	1	Acre Meter Assembly 14' PT
*	1250058	1	Acre Meter Assembly 15' PT
*	1250060	1	Acre Meter Assembly 20' PT
*	1250062	1	Acre Meter Assembly 30' - 3 Section
*	1250563	<u>l</u>	Acre Meter Assembly 5'

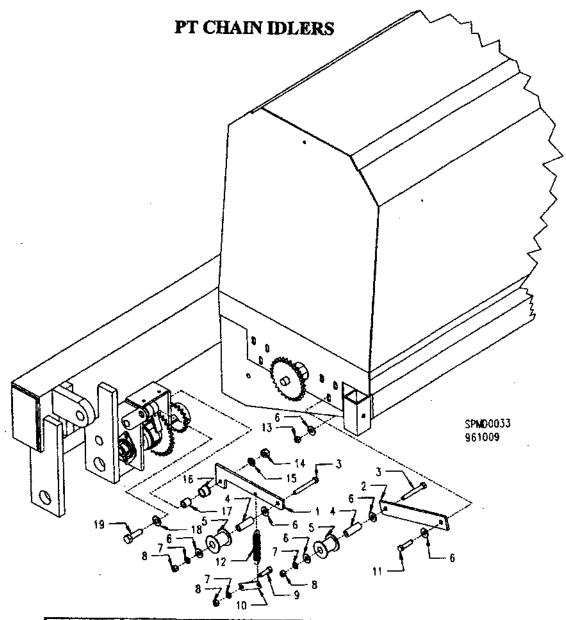
## **3-PT ACRE METER**

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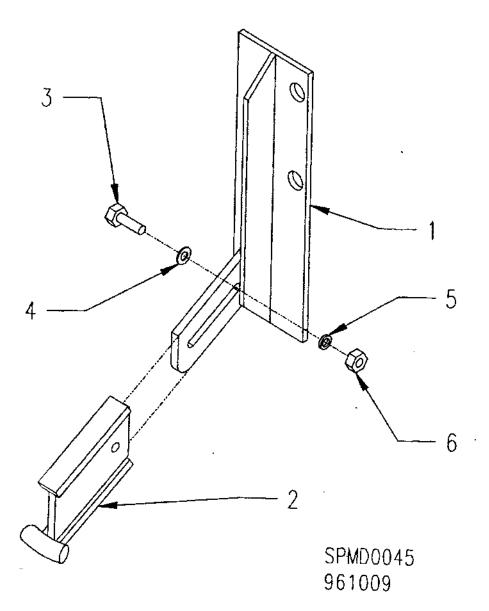




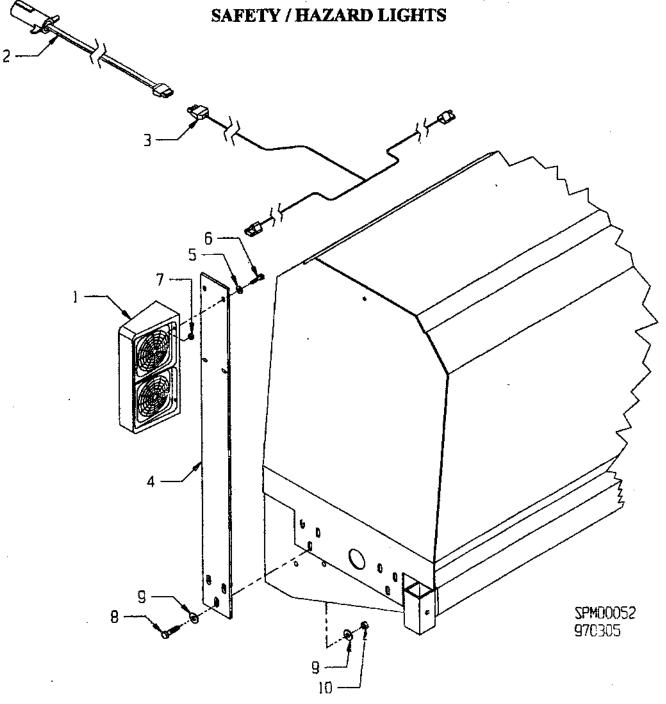
REF.#	PART#*	QTY	DESCRIPTION
1	120488	1	Idler Arm (Clutch)
2	120245	1	Idier Arm (Hopper)
3	601084	2	3/8" X 3" Bolt
4	123626	2	Bushing - 3/8" ID X 2"
5	400015	2	Chain Roller
6	602009	6	3/8" Flat Washer
7	602005	3	3/8" Lock Washer
8	600003	3	3/8" Hex Nut
9	601025	1	3/8" X 1 1/4" Bolt
10	124256	1	Idler Spring Strap
11	601006	1	3/8" X 1 1/2" Bolt
12	700007	<u>l</u>	Idler Spring
13	600012	1.	3/8" Lock Nut
14	600005	1	1/2" Lock Washer
16	125043	<u> </u>	Oilite Bushing - 1/2" Long
17	103077	1	Swivel Bushing - 9/16" Long
18	602008	1	1/2" Flat Washer
19	601011	1	1/2" X 1 3/4" Bolt

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	WALKBOARD ASSEMBLY					
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14			970305			
REF.#	PART #	10	DESCRIPTION			
1	122106	A/R	Waikboard Hanger, Front			
2	122105	A/R	Walkboard Hanger, Rear			
3	122139		Double Wide Walkboard Mounting Angle - Extended			
3 4	122136 122137		Double Wide Folding Walkboard Mounting Angle - Standard Double Wide Walkboard Support Angle			
5	521219	i	Folding Step			
6	521255	Ĩ	5' Walkboard Frame			
6	521256	1	7 Walkboard Frame			
6	521257	1	10' Walkboard Frame			
6 6	521258 521259		12' Walkboard Frame 14' Walkboard Frame			
6	521259		15' Walkboard Frame			
6	521260	1	20' Walkboard Frame			
6	521274	1	10'Walkboard Frame - Pull Type			
6	521262	1	7' Walkboard Frame - Pull Type			
6	521275	I	14' Walkboard Frame - Pull Type			
6 7	521282 125040		15' Walkboard Frame - Pull Type - NT 5 Walkboard			
7	125038	1	7' Walkboard			
7	125035	1	10' Walkboard			
7	125037	1	12' Walkboard			
7 7	125039		14' Waikboard			
7	125034 125036	1	15' Walkboard 20' Walkboard			
8	601029	A/R	7/16" X 3" Hex Bolt			
9	601010	A/R	7/16" X 1" Hex Bolt			
10	600011	A/R	7/16" Lock Nut			
11	601009	A/R	1/2" X 1 1/2" Hex Bolt			
12 13	601063 602008	A/R A/R	1/2" X 2 1/2" Hex Bolt 1/2" Flat Washer			
13	600006	A/R	1/2" Lock Nut			
15	103004	2	Small Swivel Spacer			
16	601235	A/R	7/16" J-Bolt			
17	121551	A/R	1/4" Spacer Plate			
18	103002	A/R	Medium Swivel Spacer			

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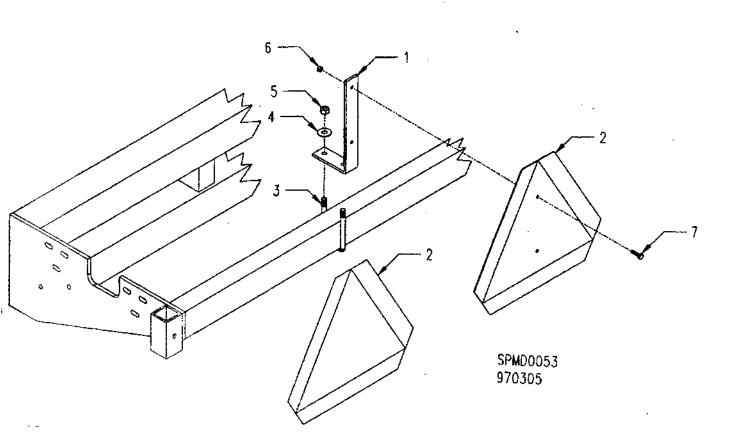


REF, #	PART#	QTY	DESCRIPTION
1	520953	1	Wheel Brake Mounting Plate RH
1	520950	1	Wheel Brake Mounting Plate LH
2	520 <u>952</u>	1	Adjustable Brake Bar RH
2	520951	1	Adjustable Brake Bar LH
2	521266	1	Adjustable Brake Bar L.H No Till
3	601025	1	3/8" X 1 1/4" Bolt
4	602009	1	3/8" Flat Washer
5	602005	t	3/8" Lock Washer
6	600003	1	3/8" Hex Nut



<b>REF</b> , #	PART#	QTY	DESCRIPTION
1	522753	2	Safety / Hazard Light
2	522751	1	Wiring Harness - Tractor Plug
3	522752	1	Wiring Harness - T
4	121481	2	Light Bracket
5	602011	8	1/4" Flat Washer
6	601204	8	1/4" X 1 1/4" Bolt
7	600044	8	1/4" Flange Lock Nut
8	601006	6	3/8" X 1 1/2" Bolt
9	602009	12	3/8" Flat Washer
10	600012	6	3/8" Lock Nut

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<b>REF.</b> # 5	PART #	QTY	DESCRIPTION
1	120921	1	SMV Mounting Bracket
2	624142	1	SMV Sign - Metal
2	624141	1	SMV Sign - Sticker
3.	624012	1	7/16" X 2" U-Bolt 4 1/4" Lg
4	602010	2	7/16" Flat Washer
5	600011	2	7/16" Nylon Lock Nut
6	600044	2	1/4" Flange Lock Nut
7	601080	2	1/4" X 1" Bolt